

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/057556 A1

(51) International Patent Classification⁷: G09F 9/00

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/HU2003/000107

(22) International Filing Date:
22 December 2003 (22.12.2003)

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:
P0204489 23 December 2002 (23.12.2002) HU

(71) Applicant and
(72) Inventor: BOGNÁR, József [HU/HU]; Fény u. 2, H-1024 Budapest (HU).

Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only

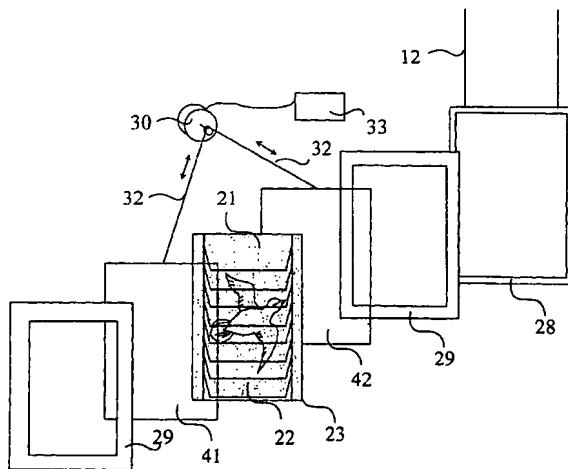
(74) Agent: BOKOR, Tamás; S.B.G. & K. Patent and Law Offices, Andrassy út 113, H-1062 Budapest (HU).

Published:
— with international search report

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DISPLAY APPARATUS FOR CHANGING IMAGES



WO 2004/057556 A1

(57) Abstract: The invention relates to a display apparatus for changing images. The apparatus comprises a cassette unit adapted for replacement as a single unit. The cassette unit comprises multiple sheet-formed image carriers (21, 22, 23, 24). The image carriers (21, 22, 23, 24) comprises image parts constituting at least two different images. The image carriers (21, 22, 23, 24) are subdivided into panels adapted for sliding between each other. The cassette unit further comprises a back plate (42) covering a side of one of the image carriers (21, 22, 23, 24). The display apparatus further comprises moving means (30) for moving the different image carriers (21, 22, 23, 24) relative to each other, and a frame (28) for supporting the cassette with the image carriers (21, 22, 23, 24) and the moving means. According to the invention, one of the image carriers (21, 22) is fixedly attached to the back plate (42) along its edges. The back plate (42) is movable relative to the frame (28), and the moving means (30) is adapted for moving the back plate (42).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/HU 2003/000107

A. CLASSIFICATION OF SUBJECT MATTER

G09F 9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G09F 9/00, 9/30, 11/30, 11/00, 11/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5974709 A (I. D. CASSETTE LIMITED) Nov. 2, 1999	1-24
A	RU 2163733 C2 (LEVIN ANDREI IGOREVICH) 27.02.2001	1-24
A	GB 1490090 A (BRITISH GAS CORPORATION) 26 Oct. 1977	1-24
A	FR 1517356 A (M. JACK SOL HALPERIN) 15.03.1968	1-24
A	DE 3617301 A1 (OPTI TABLE INFO-SYSTEME GMBH & CO KG) 24.09.1987	1-24

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

30 March 2004 (30.03.2004)

Date of mailing of the international search report

15 April 2004 (15.04.2004)

Name and mailing address of the ISA/ **RU**

Authorized officer

Facsimile No.

Telephone No.

BEST AVAILABLE COPY